#5

PATENT
Our Docket: P-LG 4412

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)   Examiner: Unassigned
    Padgett et al.   )
)   Group Art Unit: 1646
Serial No.: 09/775,049   )
)
Filed: January 31, 2001   )
)
For: METHODS FOR HOMOLOGY-   )
    DRIVEN REASSEMBLY OF   )
    NUCLEIC ACID SEQUENCES   )
_____)

Commissioner for Patents
Washington, D.C. 20231

Sir:

STATEMENT UNDER 37 C.F.R. § 1.821(f) and (g)

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR § 1.821(c) and (e), respectively, are the same.

I hereby state that the submission, filed in accordance with 37 C.F.R. § 1.821(g) herein does not include new matter.
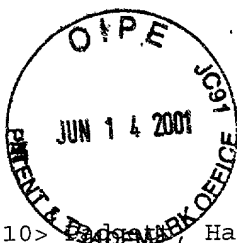
Respectfully submitted,

June 11, 2001
_____
     Date

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SEQUENCE LISTING

<110> Padgette, Hal S.
Fitzmaurice, Wayne P.
Lindbo, John A.

<120> Methods For Homology-Driven Reassembly
of Nucleic Acid Sequences

<130> P-LG 4412

<140> US 09/775,049
<141> 2001-01-31

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ttgatgaagt tgaaaaagag tttgataatt tgattgaaga tgaagccgag gcgtcggtcg 780
cggattctga ttcgtattaa ttaa   804

<210> 30
<211> 804
<212> DNA
<213> tobamovirus

<400> 30
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aaaatggaga agatcttacc gtcgatgttt acccctgtaa agagtgttat gtgttccaaa 120

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gttgataaaa taatggttca tgagaatgag tcattgtcag gggtgaacct tcttaaagga 180
gttaagctta ttgatagtgg atacgtctgt ttagccggtt tggtcgtcac gggcgagtgg 240
aacttgcctg acaattgcag aggaggtgtg agcgtgtgtc tggtggacaa aaggatggaa 300
agagccgacg aggccattct cggatcttaa tacacagcag ctgcaaagaa aagatttcag 360
ttcaaggtcg ttcccaatta tgctataacc acccaggacg cgaaaagaac atatggcagg 420
tcttagtaaa tattaaaaat gtaaaaatga gtgcgggcta ctgccctttg tcattagaat 480
ttgtgtctgt gtgtattgtt tataaaaata atataaaatt gggtttgagg gagaaagtaa 540
cgagtgtgaa cgatggagga cccatggaac tttcagaaga agttgttgat gagttcatgg 600
agaatgttcc aatgtcggtt agactcgcaa agtttcgagc caaatcctca aaaagaggtc 660
cgaaaaacaa taataattta ggtaaggggc gttcaggcgg aaggcctaaa ccaaaaagtt 720
ttgatgaagt tgaaaaagag tttgataatt tgattgaaga tgaagccgag acgtcggtcg 780
cggattctga ttcgtattaa ttaa 804
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<210> 31
<211> 805
<212> DNA
<213> tobamovirus
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gttgataaaa taatggttca tgagaatgag tcattgtcag gggtgaacct tcttaaagga 180
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aacttgcctg acaattgcag aggaggtgtg agcgtgtgtc tggtggacaa gagaatggaa 300
agagcggacg aagccacact ggggtcatat tacactgctg ctgctaaaaa gcggtttcag 360
tttaaagtgg tcccaaatta cggtattact acaaaggatg cagaaaagaa catatggcag 420
gtcttagtaa atattaaaaa tgtaaaaatg agtgcgggct actgcccttt gtcattagaa 480
tttgtgtctg tgtgtattgt ttataaaaat aatataaaat tgggtttgag ggagaaagta 540
acgagtgtga cgatggagg acccatggaa ctttcagaag aagttgttga tgagttcatg 600
gagaatgttc caatgtcggt tagactcgca agtttcgaa ccaaatcctc aaaaagaggt 660
ccgaaaaata ataataattt aggtaagggg cgttcaggcg gaaggcctaa accaaaaagt 720
tttgatgaag ttgaaaaaga gtttgataat ttgattgaag atgaagccga gacgtcggtc 780
gcggattctg attcgtatta attaa 805
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<210> 32
<211> 804
<212> DNA
<213> tobamovirus
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<400> 32
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gttgataaaa taatggttca tgagaatgag tcattgtcag gggtgaacct tcttaaagga 180
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agagccgacg aggccattct cggatcttac tacacagcag ctgcaaagaa aagatttcag 360
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gttttagtta atattagaaa tgtgaagatg tcagcgggtt tctgtccgct ttctctggag 480
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acgagtgtga cgatggagg acccatggaa ctttcagaag aagttgttga tgagttcatg 600
gagaatgttc caatgtcggt tagactcgca agtttcgaa ccaaatcctc aaaaagaggt 660
ccgaaaaata ataataattt aggtaagggg cgttcaggcg gaaggcctaa accaaaaagt 720
tttgatgaag ttgaaaaaga gtttgataat ttgattgaag atgaagccga gacgtcggtc 780
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gcgattctga ttcgtattaa ttaa   804

<210> 33
<211> 805
<212> DNA
<213> tobamovirus

<400> 33
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acgagtgtga acgatggagg acccatggaa ctttcagaag aagttgttga tgagttcatg 600
gagaatgttc caatatcggt tagactcgca aagtttcgaa ccaaatcctc aaaaagaggt 660
ccgaaaaata ataataattt aggtaagggg cgttcaggcg gaaggcctaa accaaaaagt 720
tttgatgaag ttgaaaaaga gtttgataat ttgattgaag atgaagccga gacgtcggtc 780
gcggattctg attcgtatta attaa   805

<210> 34
<211> 804
<212> DNA
<213> tobamovirus

<400> 34
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gttgataaaa taatggttca tgagaatgag tcattgtcag gggtgaacct tcttaaagga 180
gttaagctta ttgatagtgg atacgtctgt ttagccggtt tggtcgtcac gggcgagtgg 240
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gagccgacga ggccattctc ggatcttact acacagcagc tgcaaagaaa gatttcagt 360
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ttttagttaa tattagaaat gtgaagatgt cagcgggttt ctgtccgctt tctctggagt 480
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cgagtgtgaa cgatggaggg cccatggaac tttcagaaga agttgttgat gagttcatgg 600
agaatgttcc aatgtcggtt agactcgcaa agtttcgaac caaatcctca aaaagaggtc 660
cgaaaaataa taataattta ggtaaggggc gttcaggcgg aaggcctaaa ccaaaaagtt 720
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<210> 35
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 35

gtatatgcgg ccgcgtgtga gtgcatgaaa aaaggcgtta tgcgacccgg c   51

<210> 36
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 36
tggatagaat tctggccaaa gagatcaggt cagcacggtc atgaatcgtt c   51

<210> 37
<211> 51
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<213> Artificial Sequence

<220>
<223> primer

<400> 37
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<210> 38
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<210> 39
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<220>
<223> primer

<400> 39
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<210> 40
<211> 27
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<223> primer

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